District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

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Form C-144 Revised June 6, 2013

For temporary pits, below-grade tanks, and multi-well fluid management pits, submit to the appropriate NMOCD District Office. For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

<u>P1</u>	it, Below	-Grade	Ta	nk, or				
native	Method	Permit	or	Closure	Plan	App	olicati	or
						1000		

Proposed Alterr 1 13668 Type of action: Below grade tank registration Permit of a pit or proposed alternative method Closure of a pit, below-grade tank, or proposed alternative method 39-30827 Modification to an existing permit/or registration Closure plan only submitted for an existing permitted or non-permitted pit, below-grade tank, or proposed alternative method Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or alternative request Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances. Operator: Burlington Resources Oil & Gas Company, LP OGRID #: 14538 OIL CONS. DIV DIST. 3 Address: PO BOX 4289, Farmington, NM 87499 Facility or well name: Canyon Largo Unit 471E DEC 11 2015 API Number: 30-039-30827 OCD Permit Number: U/L or Qtr/Qtr C Section 24 Township 25 N Range 6 W County: Rio Arriba Center of Proposed Design: Latitude 36.391348 °N Longitude -107.421842 °W NAD: ☐1927 ☒ 1983 Surface Owner: 

☐ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment Pit: Subsection F, G or J of 19.15.17.11 NMAC Temporary: Drilling Workover ☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A ☐ Multi-Well Fluid Management ☐ Low Chloride Drilling Fluid ☐ yes ☐ no ☐ Lined ☐ Unlined Liner type: Thickness mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other String-Reinforced Liner Seams: Welded Factory Other Volume: bbl Dimensions: L x W x D Below-grade tank: Subsection I of 19.15.17.11 NMAC 120 \_bbl Type of fluid: \_\_\_\_\_Produced Water Volume: Tank Construction material: Metal ☐ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off ✓ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other mil ☐ HDPE ☐ PVC ☐ Other <u>UNSPECIFIED</u> Liner type: Thickness Alternative Method: Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks) Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)

☐ Alternate. Please specify

Four foot height, four strands of barbed wire evenly spaced between one and four feet

Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)	
☐ Screen ☐ Netting ☐ Other	
☐ Monthly inspections (If netting or screening is not physically feasible)	
7.	
Signs: Subsection C of 19.15.17.11 NMAC	
☐ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers	
☐ Signed in compliance with 19.15.16.8 NMAC	
8. Variances and Exceptions:	
Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.	
Please check a box if one or more of the following is requested, if not leave blank:	
<ul> <li>□ Variance(s): Requests must be submitted to the appropriate division district for consideration of approval.</li> <li>□ Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.</li> </ul>	
Exception(s). Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	
9. Siting Criteria (regarding permitting): 19.15.17.10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of accer material are provided below. Siting criteria does not apply to drying pads or above-grade tanks.	eptable source
General siting	
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank.	☐ Yes ☐ No
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	NA _
Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit.  NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. (Does not apply to below grade tanks)  - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine. (Does not apply to below grade tanks)  - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area. (Does not apply to below grade tanks)  - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☐ No
Within a 100-year floodplain. (Does not apply to below grade tanks) - FEMA map	☐ Yes ☐ No
Below Grade Tanks	
Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured	
from the ordinary high-water mark).  - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☑ No
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;.  - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)	
Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.)  - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application.	☐ Yes ☐ No
- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	
Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application.  NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

Within 100 feet of a wetland.  - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit Non-low chloride drilling fluid	
Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).  - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.  - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application;  - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet of a wetland.  - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Permanent Pit or Multi-Well Fluid Management Pit	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).  - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.  - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application.  - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 500 feet of a wetland.  - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 Natructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the docattached.  Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19. and 19.15.17.13 NMAC	NMAC
Previously Approved Design (attach copy of design) API Number: or Permit Number:	
Multi-Well Fluid Management Pit Checklist: Subsection B of 19.15.17.9 NMAC  Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the doc attached.  Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC  Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC  A List of wells with approved application for permit to drill associated with the pit.  Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19 and 19.15.17.13 NMAC  Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC  Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC  Previously Approved Design (attach copy of design)  API Number:  or Permit Number:	

Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the	documents are
attached.  ☐ Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC ☐ Climatological Factors Assessment ☐ Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC ☐ Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC ☐ Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC ☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC ☐ Quality Control/Quality Assurance Construction and Installation Plan ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC ☐ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC ☐ Nuisance or Hazardous Odors, including H₂S, Prevention Plan ☐ Emergency Response Plan	
☐ Oil Field Waste Stream Characterization ☐ Monitoring and Inspection Plan	
☐ Erosion Control Plan	
Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC	
Proposed Closure: 19.15.17.13 NMAC  Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.  Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Multi-well F Alternative  Proposed Closure Method: Waste Excavation and Removal Waste Removal (Closed-loop systems only) On-site Closure Method (Only for temporary pits and closed-loop systems) In-place Burial On-site Trench Burial Alternative Closure Method	luid Management Pit
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be closure plan. Please indicate, by a check mark in the box, that the documents are attached.  ☐ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC ☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC ☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings) ☐ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC ☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC ☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	
Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC  Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable sour provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. In 19.15.17.10 NMAC for guidance.	
Ground water is less than 25 feet below the bottom of the buried waste.  - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
Ground water is between 25-50 feet below the bottom of the buried waste  - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
Ground water is more than 100 feet below the bottom of the buried waste.  - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).  - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.  - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application.  - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	CONTROL TENT

adopted pursuant to NMSA 1978, Section 3-27-3, as amended.  - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine.  - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area.  - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☐ No
Within a 100-year floodplain FEMA map	Yes No
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure by a check mark in the box, that the documents are attached.  Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC  Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC  Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15  Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC  Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC  Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC  Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards of Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC  Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	.17.11 NMAC 19.15.17.11 NMAC
17.  Operator Application Certification:  I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and	helief
Name (Print): Title:	oener.
Signature: Date:	THE STATE OF
e-mail address: Telephone:	
18.  OCD Approval: Permit Application (including closuse plan) Closure Plan (only) OCD Conditions (see attachment)  OCD Representative Signature: Approval Date: 19.  Title: OCD Permit Number: OCD Permit Number: 19.  Closure Report (required within 60 days of closure completion): 19.15.17.13 NMAC  Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitted to the division within 60 days of the completion of the closure activities. Please do	ting the closure report.
section of the form until an approved closure plan has been obtained and the closure activities have been completed.	not complete this
☐ Closure Completion Date: 11/13/13	
20.  Closure Method:  Waste Excavation and Removal ☐ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Close ☐ If different from approved plan, please explain.	d-loop systems only)
21.  Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure report. Please	

2. Deperator Closure Certification:	
hereby certify that the information and attachments submitted with this cloelief. I also certify that the closure complies with all applicable closure re	losure report is true, accurate and complete to the best of my knowledge and
	ulatory Technician
Signature: Zdy G, Roth	Date: 12/10/15
-mail address: Kelly.Roberts@cop.com Telephone: (505) 326-97	<u>'75</u>

# Burlington Resources Oil & Gas Company, LP San Juan Basin Below Grade Tank Closure Report

Lease Name: CANYON LARGO UNIT 471E

API No.: 30-039-30827

In accordance with Rule 19.15.17.13 NMAC the following information describes the closure of the below-grade tank referenced above. All proper documentation regarding closure activities is being included with the C-144.

#### General Plan:

1. BR shall close a below-grade tank within 60 days of cessation of operations per Subsection G.4 of 19.15.17.13 NMAC. This will include a) below-grade tanks that do not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC or is not included in Paragraph (5) of Subsection I of 19.15.17.11 NMAC within five years, if not retrofitted to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC; b) an earlier date that the division requires because of imminent danger to fresh water, public health or the environment. For any closure, BR will file the C144 Closure Report as required.

The below-grade tank referenced above was permitted and closed within 60 days of cessation of the below-grade tanks operation.

 BR shall remove liquids and sludge from a below-grade tank prior to implementing a closure method and shall dispose of the liquids and sludge in a division-approved facility. The facilities to be used will be Basin Disposal (Permit #NM-01-005), JFJ Landfarm % Industrial Ecosystem Inc. (Permit # NM-01-0010B) and Envirotech Land Farm (Permit #NM-01-011). The liner after being cleaned well (Subsection D, Paragraph 1, Subparagraph (m) of 19.15.9.712 NMAC) will be disposed of at the San Juan County Regional Landfill located on CR 3100.

All recovered liquids were disposed of at Basin Disposal (Permit #NM-01-005) and any sludge or soil required to be removed to facilitate closure was hauled to Envirotech Land Farm (Permit #NM-01-011) and JFJ Landfarm % IEI (Permit #NM-01-0010B). The liner was cleaned per Subsection D, Paragraph 1, Subparagraph (m) of 19.15.9.712 NMAC was disposed of at the San Juan County Regional Landfill located on CR 3100.

 BR will receive prior approval to remove the below-grade tank and dispose of it in a division-approved facility or recycle, reuse, or reclaim it in a manner that the appropriate division district office approves.

The below-grade tank was disposed of in a division-approved manner.

4. If there is any on-site equipment associated with a below-grade tank, then BR shall remove the equipment, unless the equipment is required for some other purpose.

All on-site equipment associated with the below-grade tank was removed.

5. BR will test the soils beneath the below-grade tank to determine whether a release has occurred. BR shall collect, at a minimum, a five point, composite sample; collect individual grab samples from any area that is wet, discolored or showing other evidence of a release; and analyzed for the constituents listed in Table I of 19.15.17.13 NMAC. COPC shall notify the division of its results on form C-141.

A five point composite sample was taken of the below-grade tank using sampling tools and all samples tested per Subsection B of 19.15.17.1 3(B)(1)(b). (Sample results attached). Form C-141 is attached.

Components	Tests Method	Limit (mg/kg		
Benzene	EPA SW-846 8021B or 8260B	0.2		
BTEX	EPA SW-846 8021B or 8260B	50		
TPH	EPA SW-846 418.1	100		
Chlorides	EPA 300.0	250		

6. If BR or the division determines that a release has occurred, then BR shall comply with 19.15.3.116 NMAC and 19.15.1.19 NMAC, as appropriate.

A release was not determined for the above referenced well.

7. If the sampling program demonstrates that a release has not occurred or that any release does not exceed the concentrations specified in Table I of 19.15.17.13 NMAC, then BR shall backfill the excavation with compacted, non-waste containing, earthen material; construct a division-prescribed soil cover; recontour and re-vegetate the site.

The below-grade tank area passed all requirements of Paragraph (4) of Subsection E of 19.15.17.13 NMAC and was backfilled with compacted, non-waste containing, earthen material.

- 8. Notice of Closure will be given prior to closure to the Aztec Division office between 72 hours and one week via email or verbally. The notification of closure will include the following:
  - i. Operator's name
  - ii. Location by Unit Letter, Section, Township, and Range. Well name and API number.

Notification of closure was not provided to the Aztec Division office between 72 hours and one week prior to closure.

9. The surface owner shall be notified of BR's closing of the below-grade tank 72 hours, but not more than one week, prior to closure as per the approved closure plan via certified mail, return receipt requested.

The closure process notification to the landowner was not found.

10. Re-contouring of location will match fit, shape, line, form and texture of the surrounding. Re-shaping will include drainage control, prevent ponding, and prevent erosion. Natural drainages will be unimpeded and water bars and/or silt traps will be place in areas where needed to prevent erosion on a large scale. Final re-contour shall have a uniform appearance with smooth surface, fitting the natural landscape.

The below-grade tank area was re-contoured to match fit, shape, line, form and texture of the surrounding area. Re-shaping including drainage control, to prevent ponding and erosion. Natural drainages were unimpeded and water bars and/or silt traps were placed in areas where needed to prevent erosion on a large scale. Final recontour has a uniform appearance with smooth surface, fitting the natural landscape.

11. BR shall seed the disturbed areas the first favorable growing season following closure of a below-grade tank. Seeding will be accomplished via drilling on the contour whenever practical or by other division-approved methods. BLM stipulated seed mixes will used on federally regulated lands and division-approved seed mixtures (administratively approved if required) will be utilized on all State or private lands. A uniform vegetative cover has been established that reflects a life-form ratio of plus or minus fifty percent (50%) of pre-disturbance levels and a total percent plant cover of at least seventy percent (70%) of pre-disturbance levels, excluding noxious weeds. If alternate seed mix is required by the state, private owner or tribe, it will be implemented with administrative approval if needed. COPC will repeat seeding or planting will be continued until successful vegetative growth occurs.

Provision 13 was accomplished through complying with BLM seeding requirements as allowed by the BLM/OCD MOU.

12. A minimum of four feet of cover shall be achieved and the cover shall include one foot of suitable material, with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, to establish vegetation at the site, or the background thickness of topsoil, whichever is greater.

The below-grade tank area was backfilled and more than four feet of cover was achieved and the cover included one foot of suitable material to establish vegetation at the site.

- 13. All closure activities will include proper documentation and be available for review upon request and will be submitted to OCD within 60 days of closure of the below-grade tank. Closure report will be filed on C-144 and incorporate the following:
  - Soil Backfilling and Cover Installation (See Report)
  - Re-vegetation application rates and seeding techniques (See Report)
  - Photo documentation of the site reclamation (Included as an attachment)
  - Confirmation Sampling Results (Included as an attachment)
  - · Proof of closure notice (Included as an attachment)

Closure documentation was provided as soon as possible.

District I' 1625 N. French Dr., Hobbs, NM 88240 District III
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

# State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011 Submit 1 Copy to appropriate District Office to accordance with 19.15.29 NMAC.

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

						<b>OPERA</b>	TOR		Initi	al Report	
Name of Company Burlington Resources Oil & Gas Company					y	Contact Crystal Walker					
Address 3401 East 30th St, Farmington, NM						Telephone No.(505) 326-9837					
acility Na	me: Canyo	n Largo Un	it 471E			Facility Typ	e: Gas Well			THE RE	
Surface Owner Federal Mineral Owner					wner <b>F</b>	Federal			API No	.30-039-30	0827
				LOCA	TIOI	N OF RE	LEASE				
Init Letter	Section	Township	Range	Feet from the	North/	/South Line	Feet from the	East/W	Vest Line	County	
	- 78			Latitude 36.3	391348	Longitud	le <u>-107.421842</u>		1700		
				NAT	URE	OF REL	EASE				
ype of Rel			Male		7.4	Volume of	f Release			Recovered	
ource of R	elease					Date and I	Hour of Occurren	ice	Date and	Hour of Dis	covery
Vas Immed	iate Notice G		Yes 🗆	No Not Re	quired	If YES, To	Whom?				
y Whom?	TA DEL	But the				Date and I	Hour		96.000		
	rcourse Reach		es 🛛 N	o			olume Impacting	the Wate	rcourse.	W. C.	
N/A		acted, Descri									
I/A Describe Ca	use of Proble	m and Remed	lial Action								
N/A Describe Ca No release	use of Proble was encounte	m and Remed	lial Action he BGT C	losure.							
Describe Carlo release Describe Arlo Perceptions Under the Arlo Perception of the Arlo Perc	use of Proble was encounte ea Affected a tify that the in all operators a n or the enviro operations ha omment. In ac	and Remedered during to and Cleanup A information given are required to comment. The	dial Action he BGT C action Take wen above is report and acceptance dequately i CD accepta	losure.	elease north by the mediate	otifications a e NMOCD m e contaminati	nd perform corre narked as "Final I ion that pose a the re the operator of	ective action Report" do reat to great responsible	ons for rel oes not rel ound water bility for c	eases which ieve the open r, surface wa ompliance w	may endanger rator of liabilit tter, human heavith any other
Describe Carlo release Describe Arlo Pescribe Arlo Pescrib	ea Affected a	and Remedered during to and Cleanup A and Cleanup A and Cleanup A are required to comment. The ave failed to a addition, NMO	ven above in acceptance dequately in CD acceptalations.	is true and complete of a C-141 repointvestigate and re	elease north by the mediate	otifications a e NMOCD m e contaminati	nd perform corre narked as "Final I ion that pose a th	ective action Report" do reat to great responsible	ons for rel oes not rel ound water bility for c	eases which ieve the open r, surface wa ompliance w	may endanger rator of liabilit tter, human heavith any other
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Animas Environmental Services, LLC

Animas Environi

624 E. Comanche Farmington, NM 87401

www.animasenvironmental.com

Durango, Colorado 970-403-3084

505-564-2281

December 30, 2013

Lindsay Dumas
ConocoPhillips
San Juan Business Unit
Office 214-07
5525 Hwy 64
Farmington, New Mexico 87401

Via electronic mail to: SJBUE-Team@ConocoPhillips.com

RE: Below Grade Tank Closure Report

Canyon Largo Unit Com #471E Rio Arriba County, New Mexico

Dear Ms. Dumas:

Animas Environmental Services, LLC (AES) is pleased to provide the final report associated with the below grade tank (BGT) closure at ConocoPhillips (CoP) Canyon Largo Unit Com #471E, located in Rio Arriba County, New Mexico. Tank removal had been completed by CoP contractors prior to AES' arrival at the location.

#### 1.0 Site Information

#### 1.1 Location

Site Name – Canyon Largo Unit Com #471E

Legal Description – NE¼ NW¼, Section 24, T25N, R6W, Rio Arriba County, New Mexico

Well Latitude/Longitude – N36.39135 and W107.42224, respectively

BGT Latitude/Longitude – N36.39136 and W107.42188, respectively

Land Jurisdiction – Bureau of Land Management (BLM)

Figure 1. Topographic Site Location Map

Figure 2. Aerial Site Map, November 2013

# 1.2 NMOCD Ranking

In accordance with the New Mexico Oil Conservation Division (NMOCD) *Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993), the location was given a ranking score of 30 based on the following factors:

- Depth to Groundwater: A Pit Remediation and Closure Report form dated April 2004 reported the depth to groundwater as greater than 100 feet below ground surface (bgs). (0 points)
- Wellhead Protection Area: The tank location is located approximately 600 feet northeast of Gonzales Spring. (20 points)
- Distance to Surface Water Body: The wash in Gonzales Canyon is located 450 feet south of the location. (10 points)

#### 1.3 BGT Closure Assessment

AES was initially contacted by Dan Rudder, CoP representative, on November 13, 2013, and on the same day, Stephanie Lynn and David Reese of AES mobilized to the location. AES personnel collected six soil samples from below the BGT liner. Four samples were collected from the perimeter of the BGT footprint, one sample was collected from the center of the BGT footprint, and one sample was composited from the four perimeter samples and one center sample.

## 2.0 Soil Sampling

On November 13, 2013, AES personnel conducted field screening and collected five soil samples (S-1 through S-5) and one 5-point composite (SC-1) from below the BGT. Soil samples were collected from approximately 0.5 feet below the former BGT for field screening of volatile organic compounds (VOCs) and total petroleum hydrocarbon (TPH). Soil sample SC-1 was field screened for VOCs and chloride and was submitted for confirmation laboratory analysis. Soil sample locations are included on Figure 2.

### 2.1 Field Screening

#### 2.1.1 Volatile Organic Compounds

A portion of each sample was utilized for field screening of VOC vapors with a photoionization detector (PID) organic vapor meter (OVM). Before beginning field screening, the PID-OVM was first calibrated with 100 parts per million (ppm) isobutylene gas.

#### 2.1.2 Total Petroleum Hydrocarbons

Soil samples were also analyzed in the field for TPH per USEPA Method 418.1 using a Buck Scientific Model HC-404 Total Hydrocarbon Analyzer Infrared Spectrometer (Buck). A 3-point calibration was completed prior to conducting soil analyses. Field analytical protocol followed AES's Standard Operating Procedure: Field Analysis Total Petroleum Hydrocarbons per EPA Method 418.1.

#### 2.1.3 Chlorides

Soil sample SC-1 was field screened for chlorides using Chloride Drop Count Titration with silver nitrate. Sampling and analysis methods followed procedures provided by Hach Company.

## 2.2 Laboratory Analyses

The composite soil sample SC-1 collected for laboratory analysis was placed into a new, clean, laboratory-supplied container, which was then labeled, placed on ice, and logged onto a sample chain of custody record. The sample was maintained on ice until delivery to the analytical laboratory, Hall Environmental Analysis Laboratory (Hall), in Albuquerque, New Mexico. Soil sample SC-1 was laboratory analyzed for:

- Benzene, toluene, ethylbenzene and xylene (BTEX) per U.S. Environmental Protection Agency (USEPA) Method 8021B; and
- Chloride per USEPA Method 300.0.

## 2.3 Field and Laboratory Analytical Results

Field screening readings for VOCs via OVM were all measured at 0.0 ppm. Field TPH concentrations ranged from 24.4 mg/kg in S-1 up to 43.5 mg/kg in S-5. The field chloride concentration in SC-1 was less than 20 mg/kg. Field screening results are summarized in Table 1 and presented on Figure 2. The AES Field Screening Report is attached.

Table 1. Soil Field Screening VOCs, TPH, and Chloride Results Canyon Largo Unit Com #471E BGT Closure, November 2013

Sample ID	Date Sampled	Depth below BGT (ft)	VOCs OVM Reading (ppm)	Field TPH (mg/kg)	Field Chlorides (mg/kg)
NMOCD Action	Level (NMAC 19.	15.17.13E)		100	250
S-1	11/13/13	0.5	0.0	24.4	NA
S-2	11/13/13	0.5	0.0	28.5	NA
S-3	S-3 11/13/13		0.0	27.1	NA
S-4	11/13/13	0.5	0.0	27.1	NA
S-5	S-5 11/13/13		0.0	43.5	NA
SC-1	11/13/13	0.5	0.0	NA	<20

NA - Not Analyzed

Laboratory analytical results reported benzene and total BTEX concentrations in SC-1 as less than 0.050 mg/kg and 0.25 mg/kg, respectively. The laboratory chloride concentration was reported below the laboratory detection limit of 30 mg/kg. Laboratory analytical results are summarized in Table 2 and included on Figure 2. The laboratory analytical report is attached.

Table 2. Soil Laboratory Analytical Results
Canyon Largo Unit Com #471E BGT Closure, November 2013

Sample ID	Date Sampled	Depth (ft)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH- GRO (mg/kg)	TPH- DRO (mg/kg)	Chlorides (mg/kg)
	NMOCD Acti (NMAC 19.15		0.2	50	1	00	250
SC-1	11/13/13	0.5	<0.050	<0.25	NA	NA	<30

NA - Not Analyzed

#### 3.0 Conclusions and Recommendations

NMOCD action levels for BGT closures are specified in New Mexico Administrative Code (NMAC) 19.15.17.13E. Field TPH concentrations were below the NMOCD action level of 100 mg/kg, with the highest concentration reported in S-5 with 43.5 mg/kg. Benzene and total BTEX concentrations in SC-1 were below the NMOCD action levels of 0.2 mg/kg and 50 mg/kg, respectively. Chloride concentrations in SC-1 were below the NMOCD action level of 250 mg/kg. Based on field screening and laboratory analytical results for benzene, total BTEX, TPH and chlorides, no further work is recommended at Canyon Largo Unit Com #471E.

If you have any questions about this report or site conditions, please do not hesitate to contact Deborah Watson at (505) 564-2281.

Sincerely,

David J. Reese

**Environmental Scientist** 

Elizabeth V McNolly

Dail g Rem

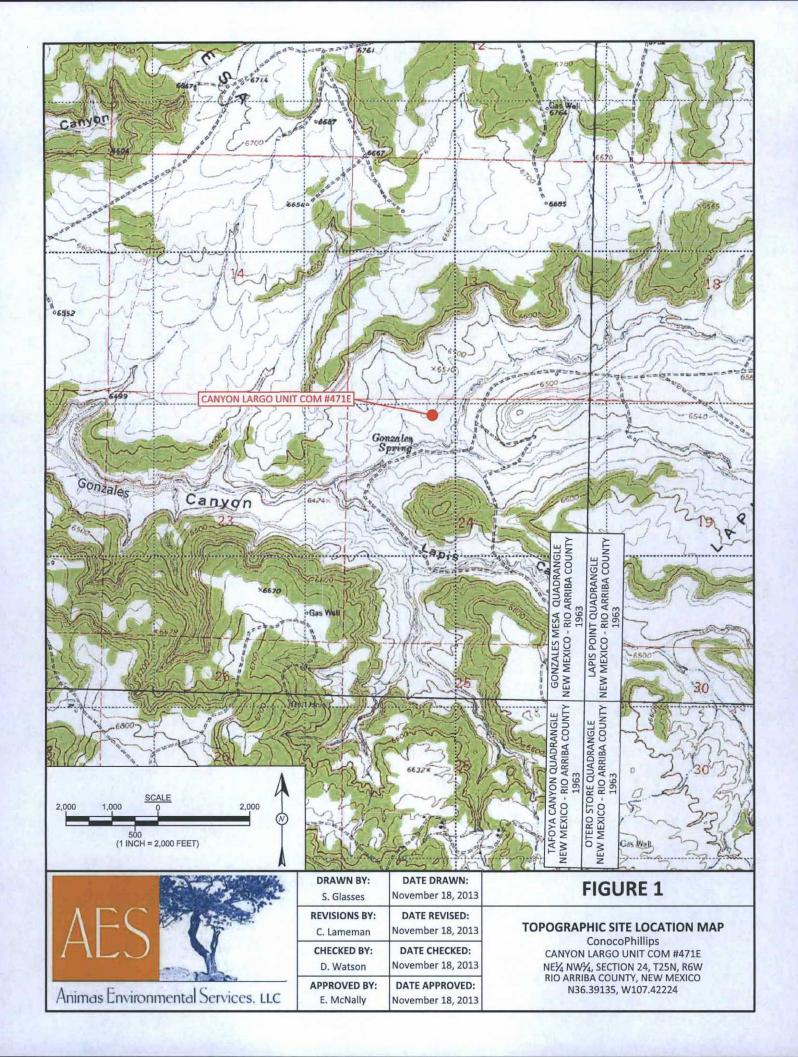
Elizabeth McNally, P.E.

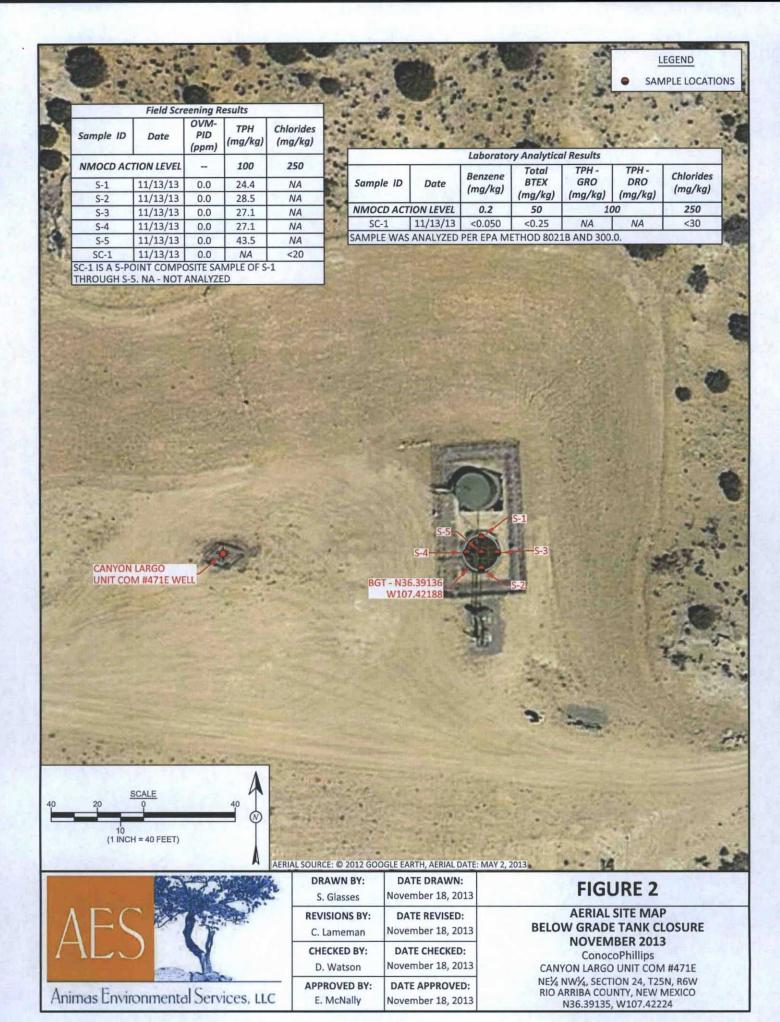
Lindsay Dumas Canyon Largo Unit Com #471E BGT Closure Report December 30 2013 Page 5 of 5

#### Attachments:

Figure 1. Topographic Site Location Map Figure 2. Aerial Site Map, November 2013 AES Field Screening Report 111313 Hall Analytical Report 1311583

R:\Animas 2000\Dropbox\2013 Projects\ConocoPhillips\Canyon Largo Unit Com #471E\Canyon Largo Unit Com #471E BGT Closure Report 123013.docx





# **AES Field Screening Report**

Client: ConocoPhillips

Project Location: Canyon Largo Unit Com #471E

Date: 11/13/2013

Matrix: Soil



www.animasenvironmental.com

624 E. Comanche Farmington, NM 87401 505-564-2281

> Durango, Colorado 970-403-3084

Sample ID	Collection Date	Time of Sample Collection	Sample Location	OVM (ppm)	Field Chloride (mg/kg)	Field TPH Analysis Time	Field TPH* (mg/kg)	TPH PQL (mg/kg)	DF	TPH Analysts Initials
S-1	11/13/2013	13:05	North	0.0	NA	14:25	24.4	20.0	1	SL
S-2	11/13/2013	13:06	South	0.0	NA	14:33	28.5	20.0	1	SL
S-3	11/13/2013	13:07	East	0.0	NA	14:38	27.1	20.0	1	SL
S-4	11/13/2013	13:10	West	0.0	NA	14:44	27.1	20.0	1	SL
S-5	11/13/2013	13:11	Center	0.0	NA	14:50	43.5	20.0	1	SL
SC-1	11/13/2013	13:20	Composite	0.0	<20		Not A	Analyzed for TP	PH.	

Field Chloride - Quantab Chloride Titrators or Drop Count Titration with

Silver Nitrate

Total Petroleum Hydrocarbons - USEPA 418.1

ottephanicallyn

**Dilution Factor** 

NA ND Not Analyzed

PQL

Not Detected at the Reporting Limit

**Practical Quantitation Limit** 

\*Field TPH concentrations recorded may be below PQL.

Report Finalized: 11/13/13



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

November 15, 2013

Debbie Watson Animas Environmental 624 East Comanche Farmington, NM 87401 TEL: (505) 486-4071

FAX

RE: CoP Canyon Largo Unit Com #471E

OrderNo.: 1311583

#### Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 11/14/2013 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <a href="www.hallenvironmental.com">www.hallenvironmental.com</a> or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

#### **Analytical Report**

#### Lab Order 1311583

Date Reported: 11/15/2013

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Animas Environmental

Client Sample ID: SC-1

Project:

CoP Canyon Largo Unit Com #471E

Collection Date: 11/13/2013 1:20:00 PM

Lab ID:

1311583-001

Matrix: MEOH (SOIL)

Received Date: 11/14/2013 10:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES					Anal	yst: NSB
Benzene	ND	0.050	mg/Kg	1	11/14/2013 11:54:58	AM R1479
Toluene	ND	0.050	mg/Kg	1	11/14/2013 11:54:58	AM R1479
Ethylbenzene	ND	0.050	mg/Kg	1	11/14/2013 11:54:58	AM R1479
Xylenes, Total	ND	0.10	mg/Kg	1	11/14/2013 11:54:58	AM R1479
Surr: 4-Bromofluorobenzene	114	80-120	%REC	1	11/14/2013 11:54:58	3 AM R1479
<b>EPA METHOD 300.0: ANIONS</b>					Anal	yst: JRR
Chloride	ND	30	mg/Kg	20	11/14/2013 12:33:50	PM 10343

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

# **OC SUMMARY REPORT**

# Hall Environmental Analysis Laboratory, Inc.

WO#:

1311583

15-Nov-13

Client:

Animas Environmental

Project:

CoP Canyon Largo Unit Com #471E

Sample ID MB-10343

SampType: MBLK

TestCode: EPA Method 300.0: Anions

Client ID:

PBS

Batch ID: 10343

PQL

PQL

RunNo: 14805

Analysis Date: 11/14/2013

Prep Date: 11/14/2013

Result

SegNo: 426440

Units: mg/Kg

HighLimit

%RPD **RPDLimit** 

Qual

Analyte Chloride

Client ID:

ND 1.5

Sample ID LCS-10343 LCSS

SampType: LCS

TestCode: EPA Method 300.0: Anions

RunNo: 14805

Batch ID: 10343

SeqNo: 426441

Units: mg/Kg

Prep Date: 11/14/2013

Analysis Date: 11/14/2013

SPK value SPK Ref Val

%REC LowLimit HighLimit

%RPD **RPDLimit** 

94.9

90

Chloride

14

1.5

Result

15.00

Qual

Page 2 of 3

Analyte

0

SPK value SPK Ref Val %REC LowLimit

110

# **Qualifiers:**

S

- E Value above quantitation range
- Analyte detected below quantitation limits
- RSD is greater than RSDlimit 0
- R RPD outside accepted recovery limits
- Value exceeds Maximum Contaminant Level.

Spike Recovery outside accepted recovery limits

- Holding times for preparation or analysis exceeded
- ND
- Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

B Analyte detected in the associated Method Blank

Not Detected at the Reporting Limit

# **QC SUMMARY REPORT**

# Hall Environmental Analysis Laboratory, Inc.

WO#: 1311583

15-Nov-13

Client:

Animas Environmental

Project:

CoP Canyon Largo Unit Com #471E

Sample ID 5ML RB	Samp	Гуре: МЕ	BLK	Tes	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch	h ID: R1	4797	F	RunNo: 14797								
Prep Date:	Analysis E	Date: 11	1/14/2013	8	SeqNo: 4	27153	Units: mg/K	(g					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Benzene	ND	0.050						- 29		Lag.			
Toluene	ND	0.050											
Ethylbenzene	ND	0.050											
Xylenes, Total	ND	0.10											
Surr: 4-Bromofluorobenzene	1.1		1.000		114	80	120						

Sample ID 100NG BTEX L	CS Samp	Type: LC	S	Tes	tCode: EPA Method 8021B: Volatiles									
Client ID: LCSS	Batc	h ID: R1	4797	F										
Prep Date:	Analysis [	Analysis Date: 11/14/2013			SeqNo: 4	27154	Units: mg/k	(g						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual				
Benzene	0.89	0.050	1.000	0	88.7	80	120	2017						
Toluene	0.91	0.050	1.000	0	90.6	80	120							
Ethylbenzene	0.91	0.050	1.000	0	90.7	80	120							
Xylenes, Total	2.7	0.10	3.000	0	91.1	80	120							
Surr: 4-Bromofluorobenzene	1.2		1.000		119	80	120							

Sample ID 1311583-001AM	S Samp	Гуре: М	3	Tes	tCode: E	PA Method	tiles			
Client ID: SC-1	Batc	Batch ID: R14797 RunNo: 14797								
Prep Date:	Analysis Date: 11/14/2013 SeqNo: 427162				27162	Units: mg/k	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.66	0.050	0.6325	0	104	67.3	145			T.y
Toluene	0.68	0.050	0.6325	0	107	66.8	144			
Ethylbenzene	0.69	0.050	0.6325	0	108	61.9	153			
Xylenes, Total	2.1	0.10	1.898	0	109	65.8	149			
Surr: 4-Bromofluorobenzene	0.74		0.6325		116	80	120			

Sample ID 1311583-001AMSI	Samp1	ype: MS	SD	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: SC-1	F	RunNo: 1	4797							
Prep Date:	Analysis Date: 11/14/2013			SeqNo: 427164			Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.65	0.050	0.6325	0	103	67.3	145	1.14	20	100
Toluene	0.67	0.050	0.6325	0	106	66.8	144	1.08	20	
Ethylbenzene	0.68	0.050	0.6325	0	107	61.9	153	1.42	20	
Xylenes, Total	2.1	0.10	1.898	0	108	65.8	149	0.831	20	
Surr: 4-Bromofluorobenzene	0.74		0.6325		118	80	120	0	0	

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

Page 3 of 3



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87105 TEL: 505-345-3975 FAX: 505-345-4102

# Sample Log-In Check List

TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Client Name: Animas Environmental Work Order Number	er: 1311583		RcptNo: 1
Received by/date: UG 1/14/13			
Logged By: Michelle Garcia 11/14/2013 10:00:00	AM	Michael Gon	un
Completed By: Michelle Gardia 11/14/2013 10:10:5	AM .	Michael Con	ue
Reviewed By	14113		
Chain of Custody	110		
1. Custody seals intact on sample bottles?	Yes	No 🗆	Not Present
2. Is Chain of Custody complete?	Yes 🗸	No 🗆	Not Present
3. How was the sample delivered?	Courier		
Log In			
4. Was an attempt made to cool the samples?	Yes 🗸	No 🗆	NA 🗆
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes 🗹	No 🗆	NA 🗆
6. Sample(s) in proper container(s)?	Yes 🗸	No 🗆	
7. Sufficient sample volume for indicated test(s)?	Yes 🗹	No 🗆	
8. Are samples (except VOA and ONG) properly preserved?	Yes 🗹	No 🗆	
9. Was preservative added to bottles?	Yes	No 🗹	NA 🗆
10.VOA vials have zero headspace?	Yes 🗆	No 🗆	No VOA Vials
11. Were any sample containers received broken?	Yes 🗆	No 🗹	#
	n 1944		# of preserved bottles checked
12. Does paperwork match bottle labels?	Yes 🗹	No 🗆	for pH; (<2 or >12 unless noted)
(Note discrepancies on chain of custody)  13. Are matrices correctly identified on Chain of Custody?	Yes 🗸	No 🗆	Adjusted?
14. Is it clear what analyses were requested?	Yes 🗹	No 🗆	
15. Were all holding times able to be met?	Yes 🗹	No 🗆	Checked by:
(If no, notify customer for authorization.)			
Special Handling (if applicable)			
16. Was client notified of all discrepancies with this order?	Yes 🗆	No 🗆	NA 🗹
Person Notified: Date:		et a . 10 .	
By Whom: Via:	eMail	Phone  Fax	☐ In Person
Regarding:	romme a mortus and burrelinds to broke a	table and the the state America	
Client Instructions:		are and a second second second second	
17. Additional remarks:			
18. Cooler Information  Cooler No Temp °C Condition Seal Intact Seal No	Seal Date	Signed By	
1 1.0 Good Yes	Jour Date	orginou by	

000	Turn-Around Time:  Standard Rush Same day  Project Name:  Co P Canyon Largo Unit Com # 471 E  Project #:				HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com												
					4901 Hawkins NE - Albuquerque, NM 87109												
Project #:					Tel. 505-345-3975 Fax 505-345-4107												
Project Mana	ager:		57	only	/RO				SO4	S			99				
D. V	D. Watson Sampler: S. Lynn On los				RO / N		(ON NO	0.00	PO4,	2 PCB							
Sampler: 5					30/D	18.1)	04.1)	33	03,NO.	3 / 808		(A)			S io		
			4	BE	(GF	4 bc	od 5	etals	K	sides	(A	- 0			2		
Type and #	.,,,	HEAL NO	BTEX +	BTEX + MT	TPH 8015E	TPH (Meth	EDB (Meth	RCRA 8 M	Anions (F	8081 Pestic	8260B (VO	8270 (Sem			Air Bubbles (Y or N)		
MEON KAT	Meay	-001	X			16.1			1				1				
A Company																	
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